

Matthew L. Tripp  
 U.S.S.N. 10/689,856  
 Response to Office Action of 27 March 2006  
 27 September 2006  
 Page 2 of 7

RECEIVED  
 CENTRAL FAX CENTER  
 SEP 27 2006

**AMENDMENTS TO THE CLAIMS:**

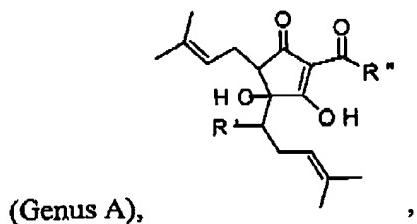
This listing of claims will replace all prior versions and listings of claims in the application:

***Listing of Claims:***

Claims 1-213 (Canceled).

214. (New) A method of preserving joint health comprising the step of administering a composition comprising a component selected from the group consisting of oleanolic acid and ursolic acid, dihydro-isohumulone, and a component selected from the group consisting of rosemary, an extract derived from rosemary, and a compound derived from rosemary.

215. (New) The method according to Claim 214, wherein the dihydro-isohumulone has a structure according to Genus A having the formula:

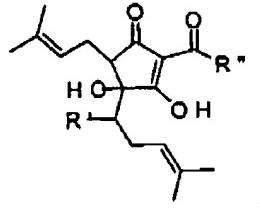


wherein R' is hydroxyl, and wherein R'' is  $\text{CH}_2\text{CH}(\text{CH}_3)_2$ .

216. (New) A method of preserving joint health comprising the step of administering a composition comprising a component selected from the group consisting of oleanolic acid and ursolic acid, dihydro-isocohumulone, and a component selected from the group consisting of rosemary, an extract derived from rosemary, and a compound derived from rosemary.

217. (New) The method according to Claim 216, wherein the dihydro-isocohumulone has a structure according to Genus A having the formula:

Matthew L. Tripp  
 U.S.S.N. 10/689,856  
 Response to Office Action of 27 March 2006  
 27 September 2006  
 Page 3 of 7

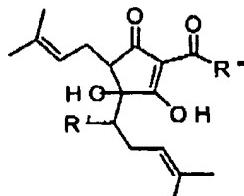


(Genus A), ,

wherein R' is hydroxyl, and wherein R'' is CH(CH<sub>3</sub>)<sub>2</sub>.

218. (New) A method of preserving joint health comprising the step of administering a composition comprising a component selected from the group consisting of oleanolic acid and ursolic acid, dihydro-isoadhumulone, and a component selected from the group consisting of rosemary, an extract derived from rosemary, and a compound derived from rosemary.

219. (New) The method according to Claim 218, wherein the dihydro-isoadhumulone has a structure according to Genus A having the formula:



(Genus A), ,

wherein R' is hydroxyl, and wherein R'' is CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>.

220. (New) A method as in any of claims 214 - 219, wherein the compound derived from rosemary is selected from the group consisting of 1,8-cineole, 19-alpha-hydroxyursolic acid, 2.-beta.-hydroxyoleanolic acid, 3-O-acetyloleanolic acid, 3-O-acetylursolic acid, 6-methoxy-luteolin-7-glucoside, 6-methoxylutcolin, 6-methoxyluteolin-7-glucoside, methoxyluteolin-7-methylether, 7-ethoxy-rosmanol, 7-methoxy-rosmanol, alpha-amyrin, alpha-humulene, alpha-hydroxyhydrocaffeic acid, alpha-pinene, alpha-terpinene, alpha-terpinenyl acetate, alpha-terpineol, alpha-thujone,

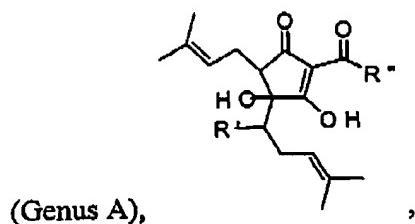
Matthew L. Tripp  
 U.S.S.N. 10/689,856  
 Response to Office Action of 27 March 2006  
 27 September 2006  
 Page 4 of 7

apigenin, apigenin-7-glucoside, curcumene, benzyl-alcohol, .beta.-amyrenone, .beta.-amyrin, .beta.-elemene, .beta.-pinene, betulin, betulinic acid, borneol, bornyl-acetate, caffeic acid, camphene, camphor, carnosic acid, carnosol, carvacrol, carvone, caryophyllene, caryophyllene-oxide, chlorogenic acid, diosmetin, gamma-terpinene, hesperidin, isoborneol, limonene, luteolin, luteolin-3'-O-(3"-O-acetyl)-.beta.-D-glucuronide, luteolin-3'-O-(4"-O-acetyl)-.beta.-D-glucuronide, luteolin-3'-O-.beta.-D-glucuronide, luteolin-7-glucoside, methyl-eugenol, myrcene, neo-chlorogenic acid, nepitin, octanoic acid, oleanolic acid, p-cymene, piperitenone, rosmanol, rosmarinic acid, rosmarinic acid, rosmarinidiphenol, rosmarinic acid, rosmarinol, rosmarinquinone, sabinene, sabinyl acetate, salicylates, salicylic acid-2-.beta.-D-glucoside, squalene, terpinen-4-ol, terpinolene, thymol, trans-anethole, trans-carveol, ursolic acid, verbenone, and zingiberene..

221. (New) A method as in any of claims 214-220, wherein the composition further comprises glucosamine or chondroitin sulfate.

222. (New) A composition comprising a component selected from the group consisting of oleanolic acid and ursolic acid, dihydro-isohumulone, and a component selected from the group consisting of rosemary, an extract derived from rosemary, and a compound derived from rosemary.

223. (New) The composition of Claim 214, wherein the dihydro-isohumulone has a structure according to Genus A having the formula:

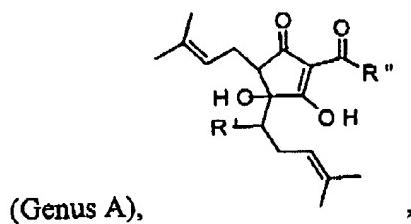


wherein R' is hydroxyl, and wherein R'' is CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>.

Matthew L. Tripp  
U.S.S.N. 10/689,856  
Response to Office Action of 27 March 2006  
27 September 2006  
Page 5 of 7

224. (New) A composition comprising a component selected from the group consisting of oleanolic acid and ursolic acid, dihydro-isocohumulone, and a component selected from the group consisting of rosemary, an extract derived from rosemary, and a compound derived from rosemary.

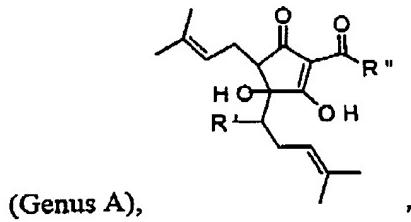
225. (New) The composition of Claim 224, wherein the dihydro-isocohumulone has a structure according to Genus A having the formula:



wherein R' is hydroxyl, and wherein R'' is CH(CH<sub>3</sub>)<sub>2</sub>.

226. (New) A composition comprising a component selected from the group consisting of oleanolic acid and ursolic acid, dihydro-isoadhumulone, and a component selected from the group consisting of rosemary, an extract derived from rosemary, and a compound derived from rosemary.

227. (New) The composition according to Claim 226, wherein the dihydro-isoadhumulone has a structure according to Genus A having the formula:



wherein R' is hydroxyl, and wherein R'' is CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>.

Matthew L. Tripp  
U.S.S.N. 10/689,856  
Response to Office Action of 27 March 2006  
27 September 2006  
Page 6 of 7

228. (New) A composition as in any of claims 222-227, wherein the compound derived from rosemary is selected from the group consisting of 1,8-cineole, 19-alpha-hydroxyursolic acid, 2-.beta.-hydroxyoleanolic acid, 3-O-acetyloleanolic acid, 3-O-acetylursolic acid, 6-methoxy-luteolin-7-glucoside, 6-methoxyluteolin, 6-methoxyluteolin-7-glucoside, methoxyluteolin-7-methylether, 7-ethoxy-rosmanol, 7-methoxy-rosmanol, alpha-amyrin, alpha-humulene, alpha-hydroxyhydrocaffeic acid, alpha-pinene, alpha-terpinene, alpha-terpinenyl acetate, alpha-terpineol, alpha-thujone, apigenin, apigenin-7-glucoside, curcumene, benzyl-alcohol, .beta.-amrenone, .beta.-amyrin, .beta.-elemene, .beta.-pinene, betulin, betulinic acid, borneol, bornyl-acetate, caffeic acid, camphene, camphor, carnosic acid, carnosol, carvacrol, carvone, caryophyllene, caryophyllene-oxide, chlorogenic acid, diosmetin, gamma-terpinene, hesperidin, isoborneol, limonene, luteolin, luteolin-3'-O-(3"-O-acetyl)-.beta.-D-glucuronide, luteolin-3'-O-(4"-O-acetyl)-.beta.-D-glucuronide, luteolin-3'-O-.beta.-D-glucuronide, luteolin-7-glucoside, methyl-eugenol, myrcene, neo-chlorogenic acid, nepetin, octanoic acid, oleanolic acid, p-cymene, piperitenone, rosmanol, rosmarinic acid, rosmarinic acid, rosmarinol, rosmarinic acid, rosmarinone, sabinene, sabinal acetate, salicylates, salicylic acid-2-.beta.-D-glucoside, squalene, terpinen-4-ol, terpinolene, thymol, trans-anethole, trans-carveol, ursolic acid, verbenone, and zingiberene..

229. (New) A composition as in any of claims 222-228, wherein the composition further comprises glucosamine or chondroitin sulfate.